

CLAIMS:

1. An adhesive suitable for making an electrically conductive connection to a material or system which is operated at a relatively high temperature, wherein said adhesive is based on a sol-gel precursor.
- 5 2. Adhesive according to claim 1, characterized in that the adhesive is based on a sol-gel precursor and metal particles.
3. Adhesive according to claim 1, characterized in that the sol-gel precursor comprises hybrid sol-gel materials based on methyltri(m)ethoxysilane,
10 phenyltri(m)ethoxysilane, and/or diphenyldi(m)ethoxysilane.
4. Adhesive according to claim 1, characterized in that the conductive particles comprise silver particles or silver alloy particles.
- 15 5. Adhesive according to claim 1, wherein non-conductive particles with a size less than 1/10 of the size of the metal particles are incorporated.
6. Adhesive according to claim 1, wherein non-conductive particles with a size less than 1/20 of the size of the metal particles are incorporated.
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7. Object provided with an adhesive according to claims 1 to 6, characterized in that the thickness of the adhesive is at least 100 μm .
8. An electrical domestic appliance comprising an adhesive according to claims 1
25 to 6, characterized in that the electrical domestic appliance comprises a (steam) iron, ironing device, hair dryer, hair styler, steamer or steam cleaner, garment cleaner, heated ironing board, facial steamer, kettle, pressurized boiler for system irons and cleaners, coffee maker, deep fat fryer, rice cooker, sterilizer, hot plate, hot-pot, grill, space heater, waffle iron, toaster, oven, or water flow heater.